	O /01	۲ د	,c'	<u>, </u>
•	7 1,		. 03.	اند

(REV. 2-82) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

A	Docket	N1 -
Auv.	DOCKEL	INO.
. 4.00	$\alpha \alpha i$	•

Serial No. 09/712,399

Applicant

Matti Kiik et al.

Filing Date

November 14, 2000

Group

•								U.S. PATENT	DOCUMENTS							
xam. Init.				cumen				Date	Name	Class	Subclass	Filing Da ifAppropria				
SA	3	4	5	0	1	9	2	06/1969	H. R. Hay	165	49					
	3	5	6	3	3	0	5	02/1971	H. R. Hay	165	49					
	3	9	9	4	2	7	8	11/1976	A. L. Pittinger	126	591					
	4	0	8	2	0	8	0	04/1978	A. L. Pittinger	126	714	<u> </u>				
	4	6	2	3	3	9	0	11/1986	J. A. Delmonico	106	15.05					
	4	7	4	5	0	3	2	05/1988	B. J. Morrison	428	215	<u></u>				
	4	7	8	4	8	9	7	11/1988	Brands et al.	428	219					
,	5	9	6	5	2	5	7	10/1999	Ahluwalia	428	357					
AL	5	9	9	3	5	2	3	11/1999	Keemer et al.	106	14.21					
j]	FOREIGN PATE	NT DOCUMENT	•						
			Doc	ument	No.	-11-		Date	Country	Class	SubClass	Translator Yes No				
			<u></u> .								·					
	<u> </u>		_													
		_	_													
	_															
	1															
			U	HE	K DC	CUN	MENT	IS (including Aut	hor, Title, Date, Pertinent I	Pages, Etc.)						
4		Tech	nical om/72	Prod 26.htm	uct I	Data ective	Sheet 11/08	#726, Aluminum 8/99, accessed on 5	m Fibered Roof Coating, a 1/12/2000.	available on	line at w	ww.malarke				
a l		Cera	mic C	rfg.com/726.htm, effective 11/08/99, accessed on 5/12/2000. Ceramic Cover product description, available on line at http://thermalprosystems.com accessed on 5/12/2000.												

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-14	19 U.S. Department of Commerce MAR U
(REV. 2-82)	Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No. Serial No. 09/712,399

Applicant

Matti Kiik et al.

Filing Date Group
November 14, 2000

1773

SA		Measurements and Database for Cool Roofing Materials, P. Berdahl et al., published on line at http://eetd.lbl.gov/HeatIsland/CoolRoofs/Overview/CoolRoofs99-01.html , last modified on June 16, 1999.
		Standard Test Method for Solar Absorbance, Reflectance, and Transmittance of Materials Using Integrating Spheres, ASTM Designation: E903-96, May 1996.
		Standard Tables for References Solar Spectral Irradiance at Air Mass 1.5: Direct Normal and Hemispherical for a 37° Tilted Surface, Designation G 159-98, March 1999.
		Energy Star Roof Products Program: Background Information, Partners, & Compliant Product List, February 2000
		Mule-Hide Roof Coating Systems published on line at www.betterroofing.com/res.html , last modified 3/30/97
		Product Description for LO/MITTM -I/II accessed on May 12, 2000 on-line at www.solec.org/LOMIThome.htm
		Roofing as an Energy Asset, David Koziowski, Maintenance Solutions, Nov. 1999, published on-line at www.facilitiesnet.com/fn/NS/NS3m9kh.html
		Durability of High-Albedo Roof Coatings, Sarah Bretz et al., Recent Research in the Building Energy Analysis Group at the Lawrence Berkley Labs., Issue #5, Feb. 1994 published on-line at http://EETD.LBL/gov/EA/Buildings/Research/Albedo.html
		Reflections on a Cool Roof, R. Fricklas, Roofing Industry Educational Institute (RIEI) Information Letter, Spring 1999, published on-line at www.northstarcsi/tech-coolroof.htm
		Revisiting Reflective Roof Surfaces, G. Teitsma, Professional Roofing Jan. 2001, pp. 18-21.
		Demonstration of Energy Savings of Cool Roofs, S. Konopacki et al., published on-line at http://eetd.lbl.gov/EA/Reports/40673/ , last modified April 27, 2000.
for a		http://eetd.lbl.gov/CoolRoof/ref_01.htm, accessed 9/18/2000
t		beite Almed 4/15/62
Examin	er Z	Date Considered 1

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

• 6\\ \(\cdot \)		Page 3
Form PTO-1449 U.S. Department of Commerce	Atty. Docket No. A33224	Serial No. 09/712,399
(REV. 2-82) Patent and Trademark Office TRADE	Applicant Matti Kiik et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	Filing Date November 14, 2000	1773-
http://eetd.lbl.gov/HIP/LEARN/Standards/Stan		
Vinyl Single-ply Roofing, Published on-lin 9/18/2000	,	
Cool Systems for Hot Cities, H. Akbari www.professionalroofing.net, ©2000, accessed		ct. 1998, published on-line

ec ai Roof Coatings, published on-line at http://eetd.lbl.gov/coolroof/coating.htm, accessed 10/3/2000 Asphalt Shingles, published on-line at http://eetd.lbl.gov/coolroof/asshingl.htm, accessed 10/3/2000 Cool Roofs Instrumentation, published on line at http://eetd.lbl.gov/HeatIsland/CoolRoofs/Instruments/, last modified 4/27/00. Collaboration with Industry, published on-line at http://eetd.LBL.gov/HeatIsland/CoolRoofs/Collaborators/, last modified 4/27/00 Roofing Membranes, published on-line at http://EandE.lbl.gov/CoolRoof/membrane.htm, accessed 10/27/2000.

Examiner Sheeba Showed

Date Considered

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not is conformance and not considered. Include copy of this form with next communication to applicant.

11 1 6 2001 P		Page 1			
	Atty. Docket No. A33224 (070015.0163)	Serial No. 09/712,399			
	Applicant Matti Kiik et al.				
	Filing Date November 14, 2000	Group			

#5

U.S. PATENT DOCUMENTS

Exam. Init.		Doo	cument l	No.		Date Name	Class	Subclass	Filing Date if Appro.	
		:					C			
							18			
								8	O	
		•		F	ORE	IGN PATE	NT DOCUMENTS		Subclass	Translation

								rU.	KC.	IGN PAIL	NI DOCUMENTS					
Document No.).			Date	Country	(Glass	Subclass	<u>Translation</u> Yes No		
		1	9	7	2_	9	5_	_3_	3	01/14/99	Germany					
lah	<u>~~</u>		1	2	2	0	5	0	2	05/14/71	United Kingdom					
-	:		1	2	2	0			2	03/14/71	Officed Kingdom	-		V		
	<u> </u>			ļ <u> </u>			<u> </u>									
	lah'	lahim	lah or	1 9 lah m	1 9 7	1 9 7 2 labor	1 9 7 2 9 labor	Document No. 1 9 7 2 9 5	Document No. 1 9 7 2 9 5 3 lab m	Document No. 1 9 7 2 9 5 3 3 lab m	Document No. Date 1 9 7 2 9 5 3 3 01/14/99 lah w	1 9 7 2 9 5 3 3 01/14/99 Germany	Document No. Date Country Glass 1 9 7 2 9 5 3 3 01/14/99 Germany	Document No. Date Country Gass Subclass 1 9 7 2 9 5 3 3 01/14/99 Germany Gass Gass	Document No. Date Country Glass Subclass Translet	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)											

Examiner

Da

Date Considered 4

9/13/02

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office

Atty. Docket No. A33224-070015.0163 Serial No. 09/712,399

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant
Matti Kiik et al.

Filing Date November 14, 2000 Group



U.S. PATENT DOCUMENTS

Exam. Init.			Do	cumen	ıt No.			Date	Name	Class	Subclass	Filing Date ifAppropriate
84			7	4	6	0	6	2/1868	Schanck	106	275	
,]			7	9	6	4	5	7/1868	Ferguson	106	275	/
			8	3	5	3	9	10/1868	Pinner	1610	275	
	3	6	0	3	2	2	1	9/1971	Barton et al.	404	3/	
	3	6	1	6	1	7	3	10/1971	Green et al.	428	331	
	3	6	3	4	2	9	3	1/1972	Bonitz	524	8	
	3	7	2	1	5	7	8	3/1973	Bennett et al.	442	85	
	3	8	4	1	8	8	5	10/15/74	Gus R. Jakel	106	663	
	3	9	5.	4	5	, 5	5	5/4/76	Kole et al.	162	136	
	3	9	9	2	3	4	0	11/1976	Bonitz	524	59	
	4	0	4	4	1	8	8	8/1977	Segal	428	297.4	
	4	0	7	3	9	9	7	2/1978	Richards et al.	442	374	+
	4	0	7	9	1	5	8	3/1978	Kennepohl et al.	428	143	
	4	0	8	2	8	8	5	4/1978	Rashid et al.	442	72	
8A	4	1	3	0	5	1	6	12/1978	Gagle et al.	524	7/	1 .

FOREIGN PATENT DOCUMENT

		Document No.	Date	Country	Class	SubClass	<u>Translator</u> Yes No
NO H	enslat	564374	7/1977	Russia	_	- ,	
· SA		289082	4/1991	Germany			
BA		PCT/US87/01474	1/1988	International			
_							

Examiner

Sheeba Alinus

Date Considered

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449, U.S., Department of Commerce (REV. 2-82) Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

 Serial No. 09/712,399

Applicant

Matti Kiik et al.

Filing Date November 14, 2000 Group

MAR 0 2 2001

U.S. PATENT DOCUMENTS

	 										RADEMAR
BA	4	1	3	5	0	2	2	1/1979	Kennepohl et al.	428 143	
	4	1	8	6	2	3	6	1/1980	Heitmann	428 374	OIPE
	4	2	1	2	9	1	2	7/1980	Wartusch et al.	142 374	1 19
	4	2	1	2	9	1	3	7/1980	Auten	428 209	MAR 0 2 2001
	4	2	1	4	0	3	2	7/1980	Cskiós et al.	442 44	The state of the s
\top	4	2	2	9	3	2	9	10/1980	Herbert Bennett	442 86	MAR 0 2 2001
T	4	2	6	5	9	6	2	5/1981	May	524 44	
	4	2	7	3	6	8	5	6/1981	Marzocchi et al.	442 82	
	4	2	9	1	0	8	6	9/1981	Auten	523 150	+
	4	3	0	6	9	1	1	12/22/81	Gordon et al.	442 29	
	4	3	1	3	9	6	8	2/1982	Sickles et al.	106 644	+ - /
	4	3	3	1	7	2	6	5/25/82	Patrick J. Cleary	427 483	
	4	3	3	2	7	0	5	6/1982	Uffner	428 143	
	4	3	8	8	3	6	6	6/1983	Rosato et al.	523 206	1
	4	4	0	5	6	8	0	9/1983	Hansen	442 180	
	4	4	6	0	7	3	7	7/17/84	Evans et al.	524 584	
\neg	4	4	6	8	4	3	0	8/1984	Ruede	442 85	
\top	4	4	7	2	2	4	3	9/1984	Bondoc et al.	162 135	
\top	4	4	7	3	6	1	0	9/1984	Davis	428 143	
T	4	4	7	8	6	1	0	10/1984	Parekh et al.	51 298	
T^{-}	4	5	0	6	0	6	0	3/19/85	White Sr. et al.	525 /63	
T	4	5	1	3	0	4	5	4/1985	Bondoc et al.	428 137	
\prod	4	5	2	1	4	7	8	6/1985	Hageman	442 374	
	4	5	5	5	5	4	3	11/26/85	Effenberger et al.	524 520	
TA	4	5	6	0	6	1	2	12/1985	Yau	442 176	1/
BU	4	5	7	1	3	5	6	2/18/86	White, Sr. et al.	428 143	/

Examiner

Shufa Almed

Date Considered

4/5/02

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office

Atty. Docket No. A33224-070015.0163

Serial No. 09/712,399

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant Matti Kiik et al.

Filing Date November 14, 2000

Group ____ MAR 0 2 20

												ADEMARK O	Σ
							Į	U.S. PATE	NT DOCUMENTS		· /R	ADEMAN	
8hx	4	5	9	9	2	5	8	7/1986	Hageman	428	140		7
/0 / \	4	6	0	9	7	0	9	9/1986	Yau	252	164		
	4	6	1	0	9	1	8	9/9/86	Effenberger et al.	442	Cas		
	4	6	1	2	2	3	8	9/1986	DellaVecchia et al.	442	180		
	4	6	4	7	4	9	6	3/1987	Lehnert et al.	442	386		
	4	6	5	4	2	3	5	3/1987	Effenberger et al.	427	4073		
	4	6	6	4	7	0	7	5/1987	Wilson et al.	166	[8.]		\top
	4	6	8	3	1	6	5	7/28/87	Lindemann et al.	442	173		
	4	7	3	8	8	8	4	4/1988	Algrim et al.	428	57		\top
	4	7	4	5	0	3	2	5/1988	Bernard J. Morrison	428	216		1
	4	7	4	6	5	6	0	5/1998	Goeden	428	151		\vdash
	4	7	5	5	5	4	5	7/1988	Lalwani	524	64		
	4	7	6	4	4	2	0	8/1988	Gluck et al.	428	317.7		7.01
	4	7	8	4	8	9	7	11/1988	Brands et al.	428	219		
	4	8	1	0	5 .	.6	9	3/1989	Lehnert et al.	442	386		
11	4	8	3	5	0	0	4	5/1989	Kawanishi	427	458		
	4	8	3	7	0	9	5	6/1989	Hageman	442	374		
	4	8	7	9	1	7	3	11/1989	Randall	442	86		•
	4	8	8	9	8	8	0	12/1989	Miller	524	71		
	4	9	1	7	7	6	4	4/1990	Lalwani et al.	162	156	. 1	
	4	9	4	4	8	1	8	7/1990	Dybsky et al.	156	7/		
	5	0	0	1	0	0	5	3/1991	Blanpied	442	373		
	5	0	1	5	7	1	1	5/1991	Simonet al.	524	301		
	5	0	1	9	6	1	0	5/1991	Sitz et al.	524	61	7	
84	5	0	3	0	5	0	7	7/9/91	Mudge et al.	442	147		
*************************************		1	1	1		<u> </u>	1	U.S. PATE	NT DOCUMENTS		· · · · · · · · · · · · · · · · · · ·		

Examiner

Shuba Alined

Date Considered

4/15/02

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

NFOF	RMAT		N DI: BY A				STA	TEMENT	Applicant Matti Kiik et al. Filing Date November 14, 2000 Applicant Group MAR 0 2 2				
	(Use	e sev	eral	shee	ts if	nece	ssar	y) 	Filing Date November 14, 2000	G	roup	& TRADEN	AARY
301	5	1	1	0	8	3	9	5/1992	Yen-Yau H. Chao	230		T	
	5	1	1	2	6	7	8	5/1992	Gay et al.	52			
	5	1	4	8	6	4	5	9/1992	Lehnert et al.	44			
	5	1	9	2	3	6	6	3/1993	Nishioka et al.	52			
	5	2	2	0	7	6	2	6/1993	Lehnert et al.	100			
	5	2	3	2	5	3	0	8/1993	Malmquist et al.	52			
	5	3	.1	8	8	4	4	6/1994	Ralph E. Brandon	154			
	5	3	3	4	6	4	8	8/1994	Drews et al.	428	. ` 	<u></u>	
	5	3	4	2	6	8	0	8/1994	Randall	44			_
1	5	3	4	7	7	8	5	9/1994	Terrenzio et al.	52			\dashv
+	5	3	7	1	9	8	9	12/1994	Lehnert et al.	52	 		+
—	5	3	9	1	4	1	7	2/1995	Pike	428	100		+
T	5	3	9	3	7	9	4	2/1995	Sperber	521	78		+
	5	3	9	7	6	3	1	3/1995	Green et al.	421			+
+	5	4	0	1	5	8	8	3/1995	Garvey et al.	428			\vdash
 	5	4	3	7	7	1	7	8/1995	Doyle et al.	75			
-	5	4	3	7	9	2	3	8/1995	Kalkanoglu	442			
╁	5	4	4	5	8	7	8	8/1995	George E. Mirous		- 1		
-	5	4	7	6	5	4	2	12/1995	Doyle et al.	1442		 	
+	5	4	9	6	4	0	0	3/1996	Doyle et al.	100		+	
-	5	5	0	1	7	3	0	3/1996	Duong et al.	106			
+	5	5	1	8	5	8	6	5/1996	George E. Mirous	106	281.1		
 	5	5	7	3	5	8	6	11/1996	Yap et al.	167			
+	5	5	8	0	3	7	6	12/1996	Hayner	106			
-	5	5	8	0	3	7	8	12/1996	David M. Shulman		284.1	 	
	لبل						Ţ	J.S. PATEN	T DOCUMENTS	166	677	<u> </u>	
					_								
iner //	lu							Date Consi					

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-14	49 U.S. Dep	artiment of	Comme	rc
<u> </u>	Patent and			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty: Docket No. A33224-070015.0163

Serial No. 09/712,399

Applicant
Matti Kiik et al.

November 14, 2000

Filing Date

Group

MAR 0 2 2007

					·									
NO		5	6	0	1	6	8	0	2/1997	Kuszaj et al.		154	242	7
7		5	6	0	1	8	8	8	2/1997	Fowler		428	34	
\top		5	6	0	4	2	7	4	2/1997	Gallagher et al.		524	69	
T		5	6	6	5	4	4	2	9/1997	Andersen et al.		428	36.4	
T		5	6	8	7	5	1	7	11/1997	Wiercinski et al.		52	177	
		5	6	9	8	3	0	4	12/1997	Brandon et al.		 	215	
		5	7	1	7	0	1	2	2/1998	Bondoc et al.		524	13	
		5	7	1	8	7	8	5	2/1998	Randall		156	39	
		5	8	8	4	4	4	6	3/1999	Hageman		52	408	
SA		5	9	6	5	2	5	7	10/1999	Ahluwalia	<u>.</u>	428	357	
7											*		<u> </u>	
													<u></u>	
											··· <u>-</u>			
·														
	_					·								
														.*
														· · · · · · · · · · · · · · · · · · ·
														
				-										
									·				<u> </u>	
			Щ.	L	Ц	Ь		1	L					<u> </u>

Examiner

a Stimes

Date Considered

4/15/02

^{*} Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.